

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

12/2/76

Location Inspected

OW

WW

TA

Bond released

GW

OS

PA

State of Fee Land

LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

HAMILTON BROTHERS OIL COMPANY

1600 BROADWAY
DENVER, COLORADO 80202
303-892-1011



September 14, 1976

US Geological Survey
Oil & Gas Operations
8440 Federal Building
125 South State
Salt Lake City, Utah 84138

Attention: Mr. E. W. Guynn
District Engineer

Subject: NW Salt Valley Unit #1
2410 FNL; 1540 FWL
Section 23, Township 21 South
Range 18 East
Grand County, Utah

Dear Sir;


Please find enclosed for your approval three (3) copies of the necessary maps and information required to comply with NTL-6, Designation of Operator from Texas Gas Exploration Corp., Nationwide oil & gas bond numbers for Hamilton Brothers Oil Co. and Texas Gas Exploration Corporation and the application for permit to drill on the captioned location.

Texas Gas Exploration Corporation, the present designated operator of this lease, will forward direct to you a "Designation of Agent" form assigning the operation of this lease to Hamilton Brothers Oil Company.

It would be greatly appreciated if this application could be given a high priority since our group have secured several farmouts which will expire on October 1, 1976 providing we do not commence the drilling of the Salt Valley N.W. Unit #1 well prior to this date.

If you require any further information it would be appreciated if you could contact the undersigned by telephone (303) 892-1011.

Yours truly,


Doyle Bray
Administrator

DB:ct

cc: State of Utah, Oil & Gas Division (2 copies)
1588 W. North Temple, Salt Lake City, Utah
84138

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Hamilton Brothers Oil Company

3. ADDRESS OF OPERATOR

1600 Broadway - Suite 2600, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

Section 23, Township 21 South, Range 18 East

At proposed prod. zone 2410' FNL; 1540' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6.9 miles West and 4.5 miles North of Crescent Junction, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1100'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

6700'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4912' Ground

22. APPROX. DATE WORK WILL START*

October 1, 1976

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36.0	500'±	400 sacks
8 3/4"	5 1/2"	17.0	6700' (if required)	675 sacks

We propose to drill a well of sufficient depth to penetrate the White Rim Sand, to test for oil or gas. Good oil field practice will be used in determining the necessity of coring and/or drill stem testing any shows of oil or gas encountered.

Mud Program

A low solids gel/water system will be used, with mud weight sufficient to control formation pressures.

Logging Program

At total depth: Dual induction laterolog, gamma ray-sonic, formation density log.

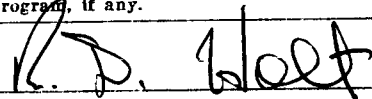
Blow Out Preventer Program

Double 10" Hydraulic Shaffer, series 900 with 4" drill pipe and blind rams. A shaffer hydril BOP closing unit with a choke manifold will also be employed. B.O.P.'S will be closed and opened each trip, and pressure tested once each week.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

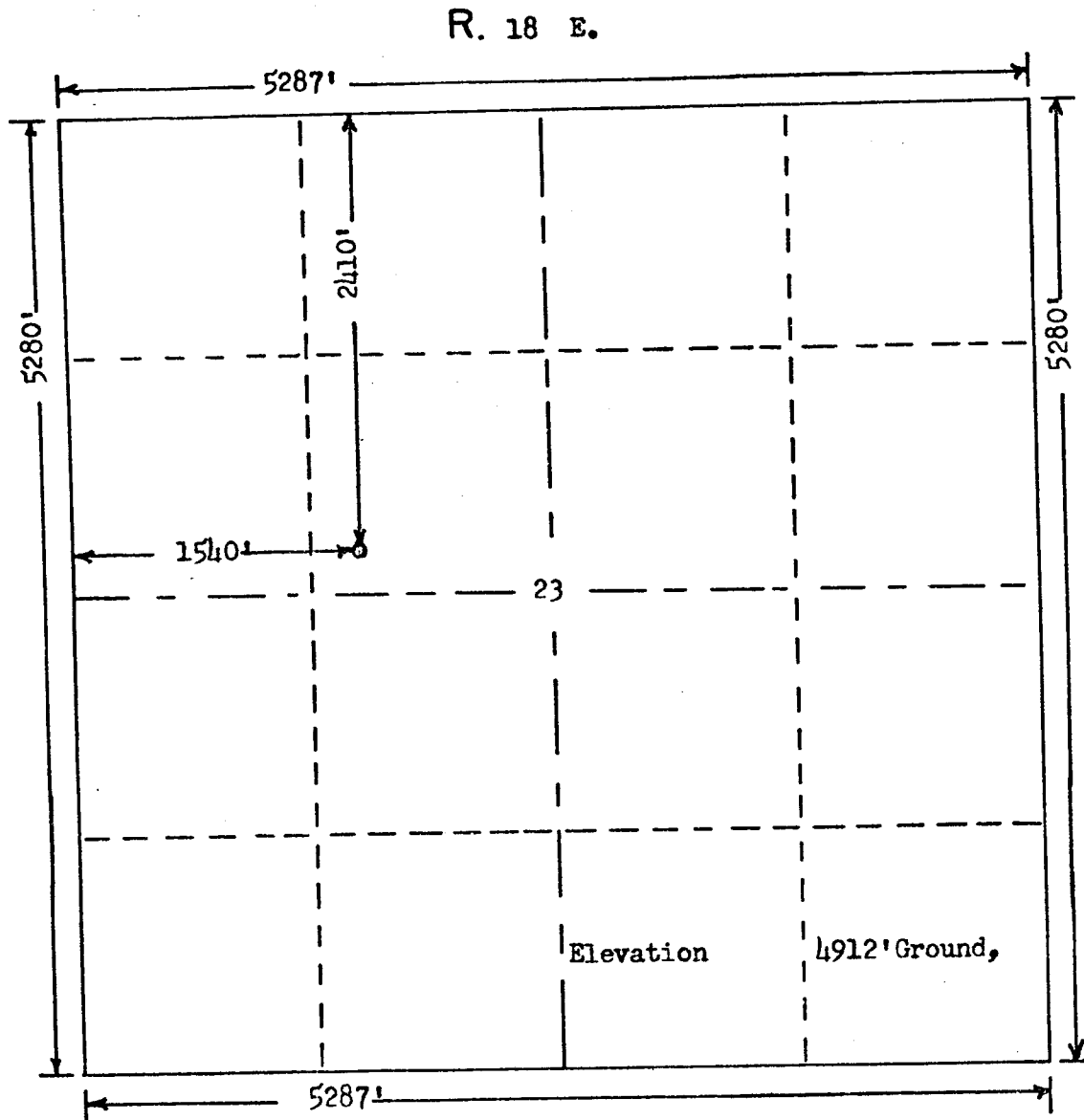
APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



T.
21
S.

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
has in accordance with a request from Doyle Bray
for **Hamilton Bros Oil Co. & Texas Gas Exploration Co.**
determined the location of #1 Salt Lake Unit
to be 2410' FN & 1540' FW Section 23 Township 21 S.
Range 18 E. of the Salt Lake Meridian
Grand County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
#1 Salt Valley Unit

Date: 9-3-76

Daniel T. White
Licensed Land Surveyor No. 2658PE
State of Utah

SURFACE USE & OPERATIONS PLAN
FOR
Hamilton Brothers et al
Salt Valley NW Unit No. 1
Section 23, Township 21 South, Range 18 East
Grand County, Utah



1. Existing Roads

A survey plat showing the location of the proposed well site is attached (see Plat No. 1), showing the route to the well site from Hwy. 50-6 (I-70), exit 6.5 miles west of Cresent Junction. It is 3.75 miles to the location. The road from the highway to the location is in good shape and will support heavy trucks. The location is about 350' from this road. The amount of new access road is very little.

2. Planned Access Roads

A short access road (approx. 175' long) to the location will be required from the present road. (See Plat No. 1). This access road is across level ground and will require no cuts or extensive grading. It will be approx. 14' wide. No cattle guards, culverts, or deep cuts will be required on the present secondary road.

3. Location of Existing Wells: See attached map. (Plat No. 1)

4. Lateral Roads to Well Locations:

There are no wells within a half-mile radius of the proposed location.

5. Location of Tank Batteries and Flow Lines:

In the event the well is successful and a tank battery is erected, the tank battery will be located approximately 250' south of the well as shown on exhibit #1.

6. Water Supply:

The water source will be from the town of Thompson, located approximately 3 miles east of Cresent Junction, Utah. The water will be hauled to the well site by truck.

7. Waste Disposal:

A reserve pit and burn pit will be constructed at the well site. All excess water, mud, and drill cuttings will be deposited into the reserve pit. Burnable material and gargage will be put into the burn pit, and burned immediately. Both of these pits will be folded in and covered as soon as feasible after the cessation of drilling operations.

8. Location of Camps:

No camp facilities other than two or three temporary house trailers at the well site will be needed.

9. Location of Airstrip

We will not locate any airstrip on or near the location.

10. Rig Layout

On exhibit #2, we are showing the location layout, reserve pit, burn pit, pipe racks, mud tanks and position of the rig. We plan to use Willard Pease Drilling Company's rig no. 3.

11. Plans for Restoration of the Surface

After the drilling operations have been concluded and the equipment removed, the well site area will be cleaned, levelled and restored to normal and B.L.M. specifications. The pits will be covered and the area reseeded, if the well is not successful. Otherwise the site will be levelled and prepared for the placement of the production equipment. This work will be accomplished within 30 days after the drilling equipment has been removed.

12. Other Existing Environmental Information:

The proposed well site is on a level plateau at the base of Trough Spring Ridge line of the Book Cliffs. Surface formation is the Mancos shale along with sand, rocks and gravel. There is very little topsoil on the site. The surface is covered with sparse sage brush. There are no trees on the site.

No oil will be put in the reserve pit. Any oil recovered from drill stem tests or any other manner will be put in the trash/burn pit and burned immediately.

13. Representative:


The operators representative will be R.D. Holt, 1600 Broadway, Denver, Colo. 80202 - Phone (303) 892-1011. Mr. Holt will appoint a well site representative in the near future.

The drilling contract has been awarded to Willard Pease Drilling Co. The location and restoration work will probably be done by Willard Pease Drilling Company.

14. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are; to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Hamilton Brothers Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

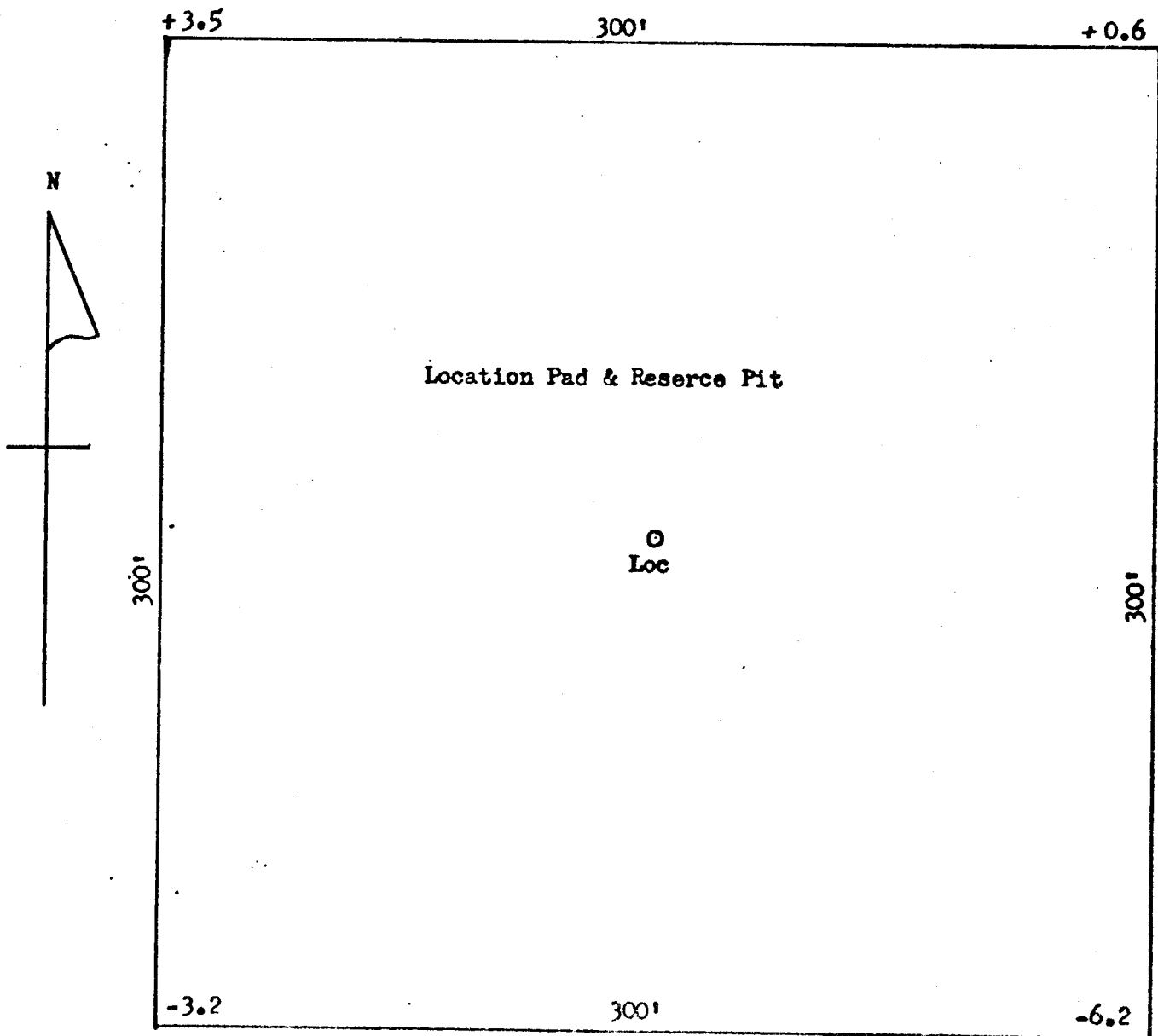
September 13, 1976
Date


Al E. Purvis - Drilling Advisor
Name and Title

Information Complimenting form 9-331C:

1. Mancos Shale
2. Dakota Silt 2500' (Depth)
Salt Wash 3075'
Entrada 3655'
Navajo 4140'
Chinle 5265'
White Rim 6500'
3. Salt Wash Gas 3075'
White Rim Oil 6500'
4. Surface Casing - 10-3/4" - 500'+ - K-55 - 40.5 lb./ft. - New
Production Casing (if required) 5 1/2" - 17 lb/ft - K-55 & N80 - New
5. Blowout Preventers: 10" Series 900 schaffer type hydraulic double ram and Series 900 10" Hydril GK with a Payne closing unit. Fill, kill and choke manifold is 2" Series 900.
B.O.P.'S will be closed and opened each trip and pressure tested once each week.
6. A dispersed low solids mud system will be employed. Anticipated bottom hole pressure is 3200 p.s.i.
7. Auxiliary equipment to be utilized will be a kelly cock, float above the bit, monitoring equipment on the mud system below 2500', and a drill pipe sub with full opening valve, to screw into the drill pipe when required.
8. A. We expect to test the Salt Wash and White Rim formations.
B. We expect to run the following Schlumberger logs:
1) Dual Induction Laterolog
2) Gamma Ray-Sonic
3) Formation Density log
C. We do not expect to core
9. We expect no abnormal temperatures or pressures. Lower formations probably carry salt water. H2S should not be encountered.
10. We plan to begin operations by October 1, 1976. We expect the drilling operations to take approximately 50 days.

Hamilton Bros Oil & Texas Gas Expl Corp.
#1 Salt Valley Unit (Alt #1)
2410'FN & 1540'FW Sec 23-21S-18E
Grand County, Utah



DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-0148579

and hereby designates

NAME: Hamilton Brothers Oil Company
ADDRESS: 1600 Broadway, Suite 2560
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T-21-S, R-18-E

Sec. 15: All
Sec. 22: All
Sec. 23: W/2
Sec. 24: S/2 S/2

T-21-S, R-19-E

Sec. 30: Lots 1 thru 8
Sec. 31: Lots 1 thru 8

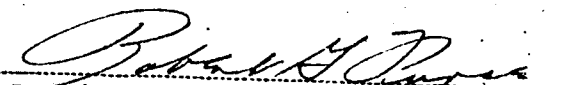
containing 2321.00 acres m/l, Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

TEXAS GAS EXPLORATION CORPORATION

By: 
Vice President (Signature of lessee)

April 26, 1976
(Date)

P. O. Box 52310
Houston, Texas 77052
(Address)



HAMILTON BROTHERS OIL COMPANY

1600 BROADWAY
DENVER, COLORADO 80202
303-892-1011

September 14, 1976

US Geological Survey.
Oil & Gas Operations
8440 Federal Building
125 South State
Salt Lake City, Utah 84138

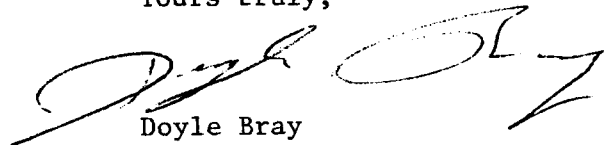
re: Salt Valley Unit
Section 23, Township 21 South
Range 18 East
Grand County, Utah

Dear sir;

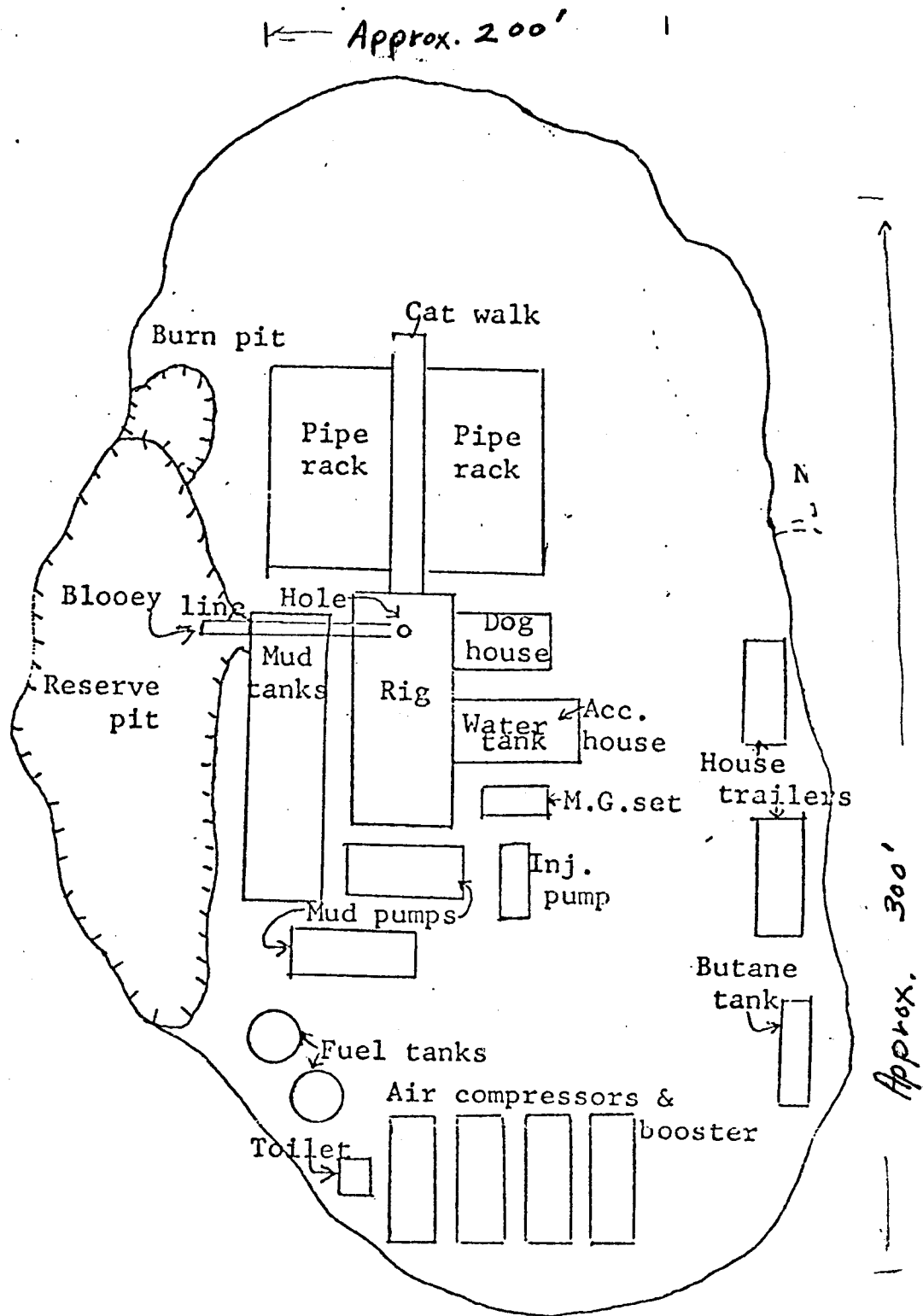
Listed below are the nationwide oil & gas bond numbers of the lessees of the captioned location.

	<u>Bond Number</u>
Hamilton Brothers Oil Company	M969690
Texas Gas Exploration Corp.	8056-13-55

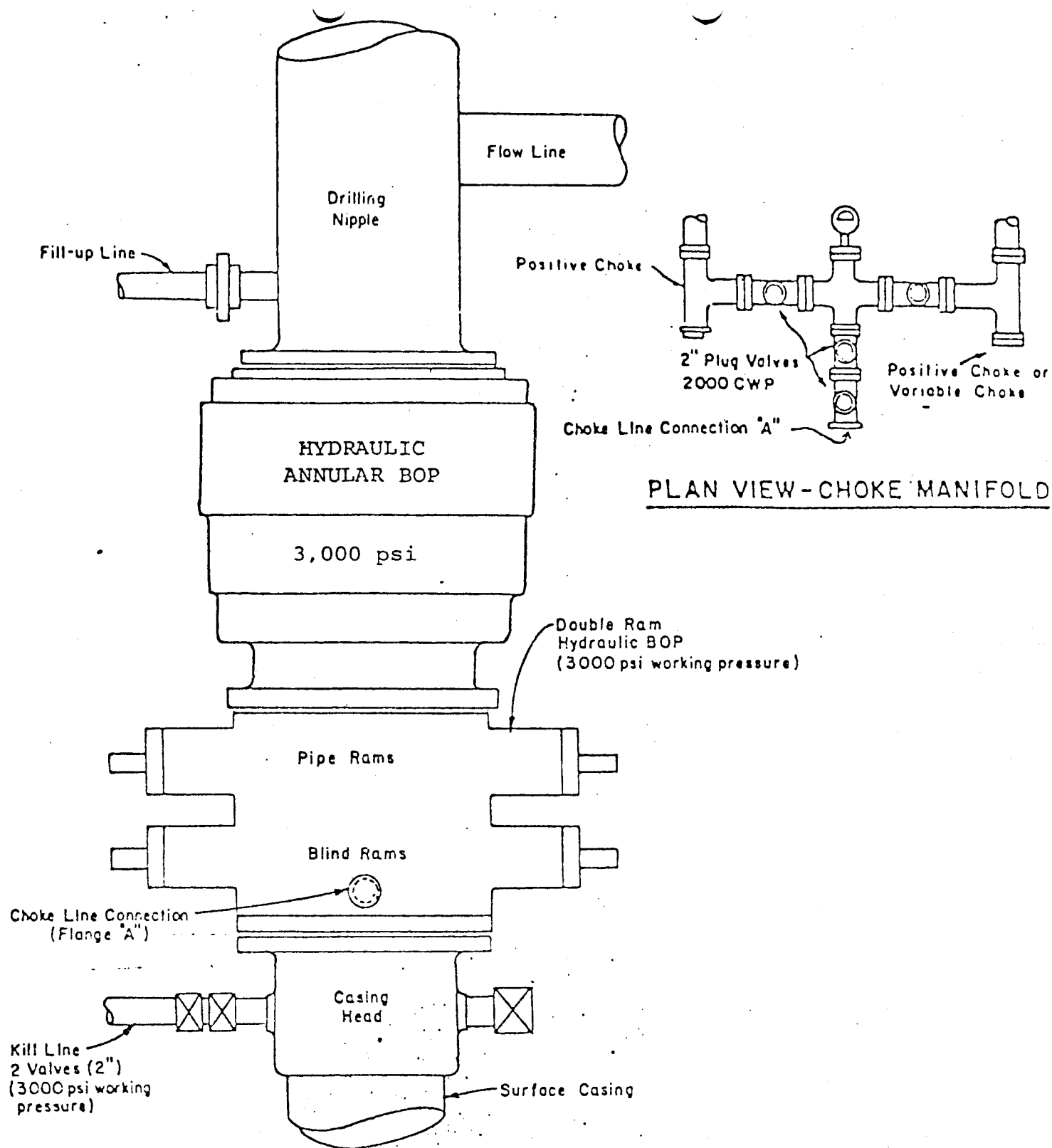
Yours truly,


Doyle Bray
Administrator

DB:ct



WILLARD PEASE DRILLING CO.,
RIG NO. 3



WILLARD PEASE DRILLING CO.- RIG #3

2457 Industrial Blvd.
P.O. Box 548
Grand Junction, Colorado 81501

R 18 E

H.B.O.C.
Salt Valley N.W. Unit
No. 1

Location of
Tank Battery
3" Steel Line Connecting
Well and Battery

COLONIAL
X-1-117-2

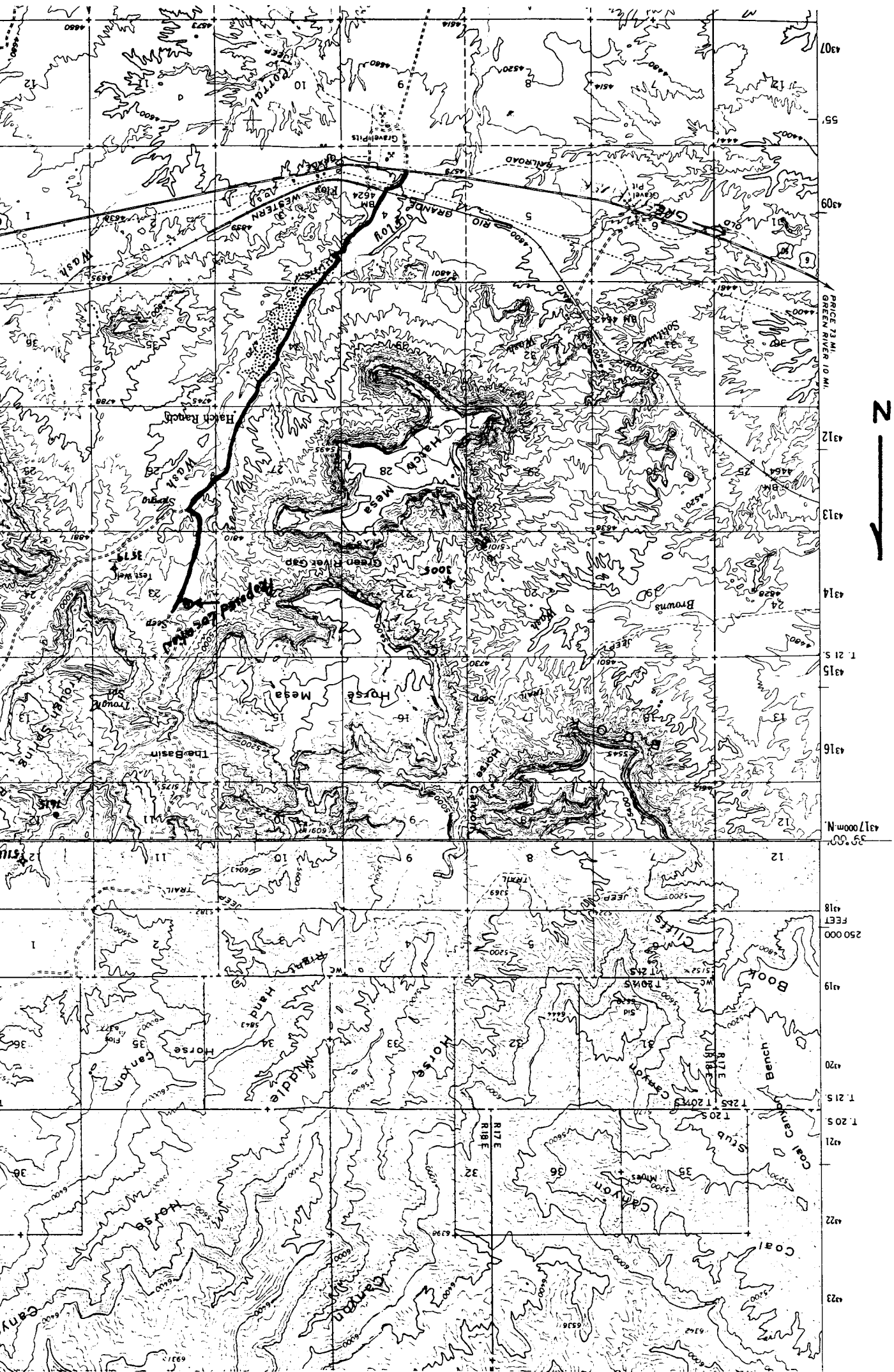


HATCH
RANCH

Highway 68 50

GRAND JUNCTION
COLORADO

HAMILTON BROTHERS OIL COMPANY
SALT VALLEY NORTH WEST UNIT
Salt Valley NW Unit No. 1
Grand County, Utah



Plat No. 1

Primary Road (E)
Access Road to

Plat No. 1 (AP) — Primary Road (Existing) — Access Road to location



SURFACE INSPECTION REPORT

Township 21 South, Range 18 East, S.L.M.

Section 23: SE $\frac{1}{4}$ NW $\frac{1}{4}$

Grand County, Utah

Prepared by:

Allen N. Henderson
Attorney at Law
607 Crandall Building
Salt Lake City, Utah 84101

TEXAS GAS EXPLORATION CORPORATION
June 22, 1976

SURFACE INSPECTION REPORT

Township 21 South, Range 18 East, S.L.M.

Section 23: SE $\frac{1}{4}$ NW $\frac{1}{4}$

Grand County, Utah

As of the date of this report the surface of subject lands has been fully inspected by the undersigned and the condition and status of said surface is as set forth in this report and on the attached maps and plats.

This inspection was conducted by actual entry thereon using U.S. Highway 6 and 50, county roads, and all other roads and trails that traverse said lands as well as a physical "walk-out" to inspect areas not accessible by motor vehicle.

As further assistance in the preparation of this report, reference was made to Sheet Number 10 of the General Highway map of Grand County, Utah, as well as the United States Geological Survey Topographic map, Crescent Junction Quadrangle.

The lands inspected were reached by traveling along U.S. Highway 6 and 50 to it's junction with County Floy Wash road, thence Northeasterly approximately 3.5 miles along said unimproved road to a point where a private road forks off to the West and North; thence along said private road approximately 7/10ths of a mile to the Southwest corner of subject lands.

The elevation of subject lands is approximately 5,000 feet. The general topography is reasonably level, with a drainage pattern running generally from Northeast to Southwest, cut by one or two shallow washes in the East and South portion of the lands in question. (See photographs 1, 2 and 3.) The Northwest quarter of the area is dominated by a seep or dry wash area which is fairly deep. (See photograph 4.)

The land is arid and covered by small shrubs, plants and grasses indigenous to this desert type area.

In two or three places, the surface of the area shows signs of surface disturbances which could presumptively have been test holes of some nature.

In making this surface inspection, I found no evidence of any past or present mining activity. I found no evidence of any abandoned or producing oil or gas wells on said lands. I found no evidence of any valid location monuments, no posts or nitices, no discovery shafts and no evidence of any mining activity of any kind.

In my compilation of facts to prepare this report, I found no evidence indicating the existence of any unrecorded possessory interests of any persons claiming rights to subject lands.

The State of Utah does not claim any possessory rights in said lands and the Grand County Recorder's Office records reflect only the filing of instruments that reflect the ownership of U. S. oil and gas lease U-0148579, current Lessee: Texas Gas Exploration Corporation, Post Office Box 52310, Houston, Texas.

The Federal records in the Bureau of Land Management Office in Salt Lake City, Utah show this lease to have been extended until January 30, 1977.

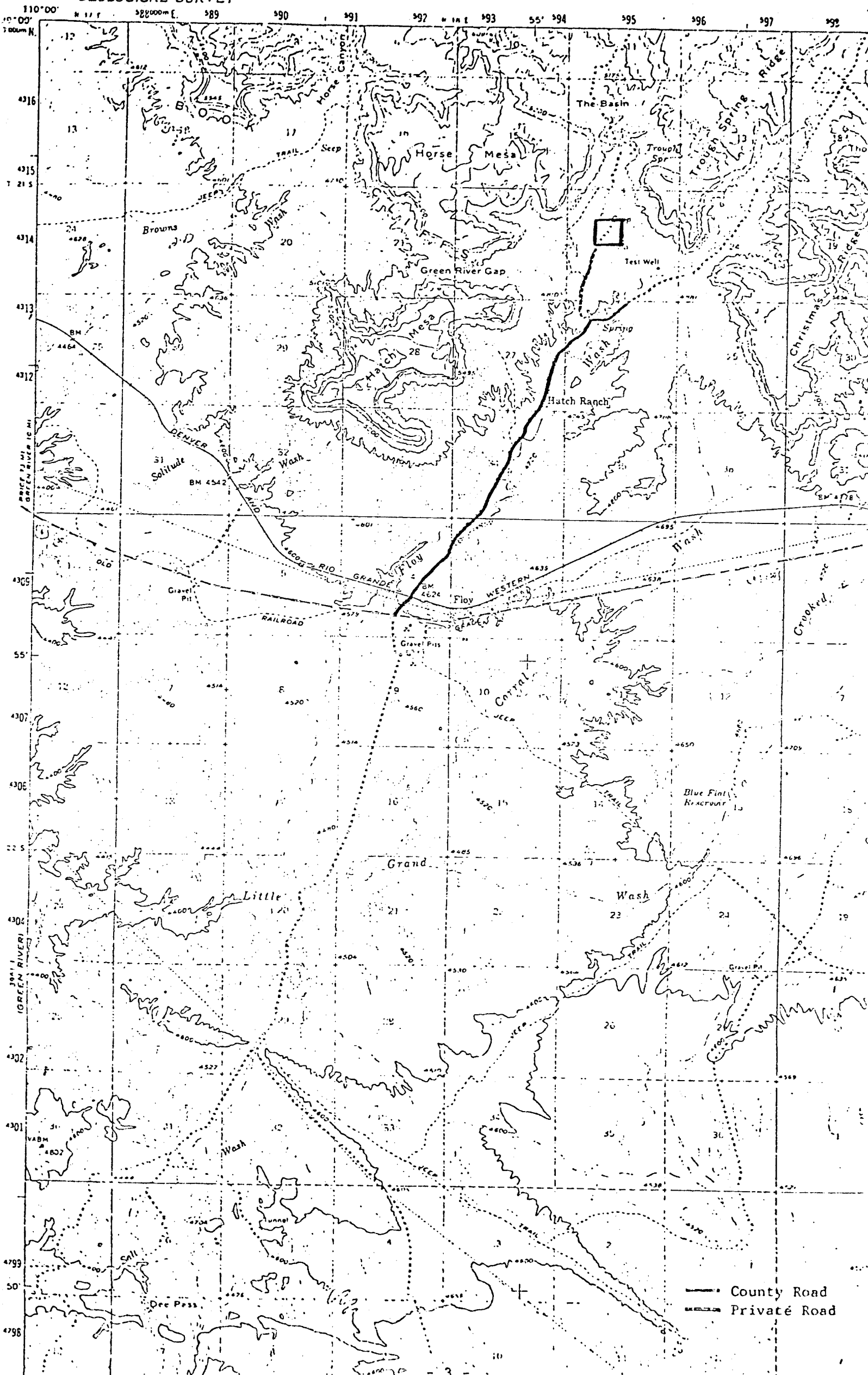
Dated this 23rd day of June, 1976

Respectfully submitted,

A handwritten signature in cursive script, reading "Allen N. Henderson". The signature is written in dark ink and is positioned above the printed name.

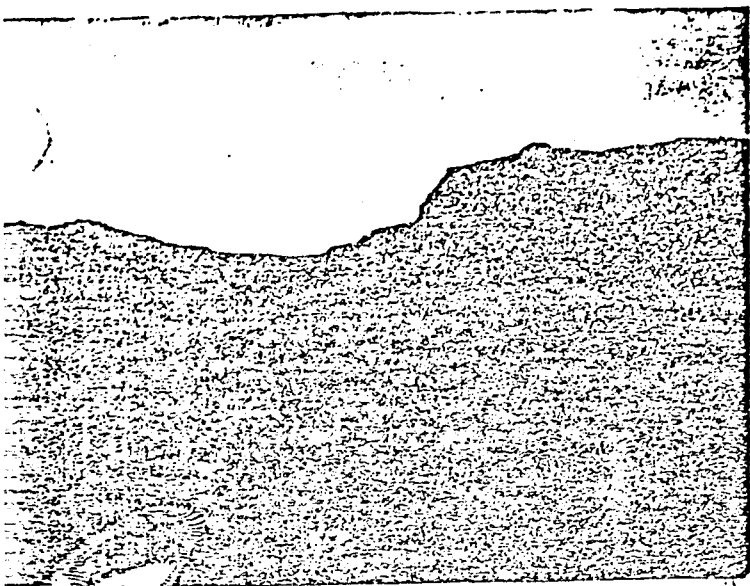
Allen N. Henderson
Attorney at Law

UNITED STATES,
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

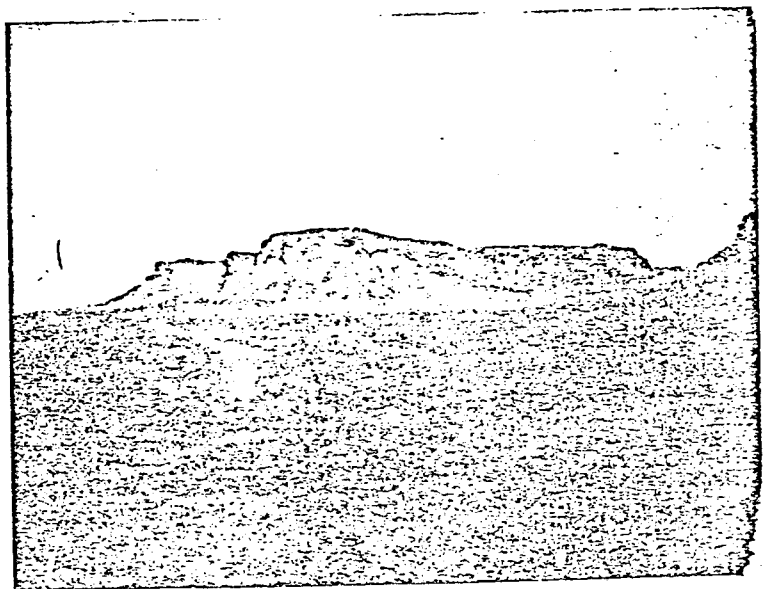


— County Road
— Private Road

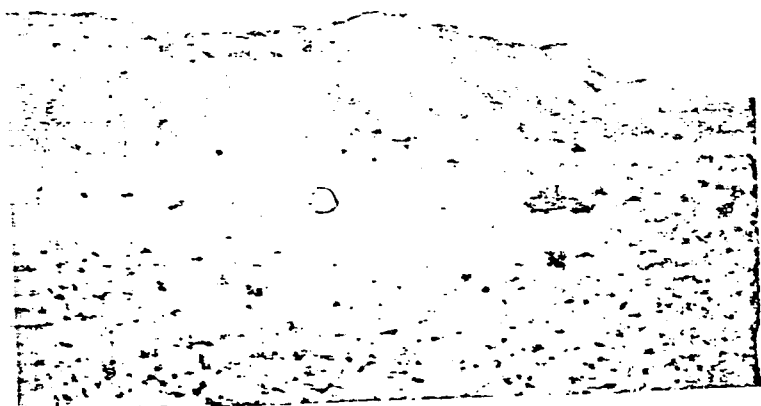
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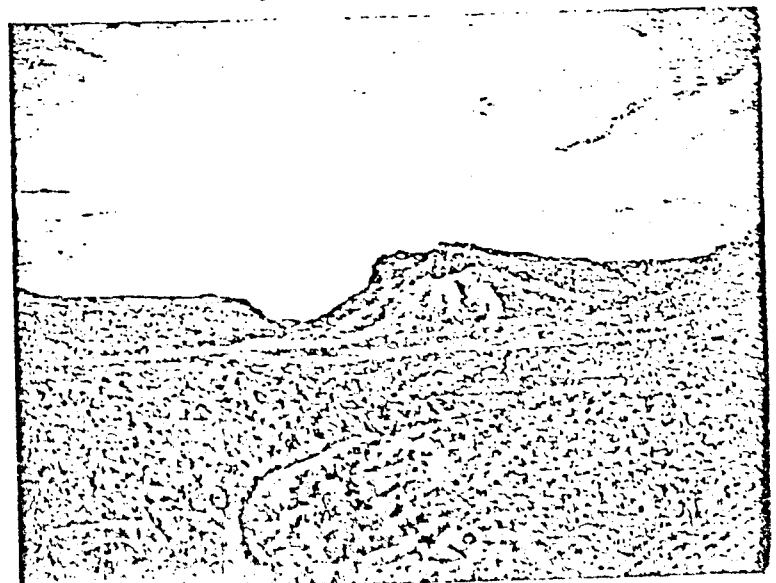
2



3



4



DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: Sept. 20 -
Operator: Hamilton Brothers
Well No: Sac Valley NW Unit #1
Location: Sec. 23 T. 218 R. 18E County: Grand

File Prepared

☒

Entered on N.I.D.

☒

Card Indexed

☒

Completion Sheet

☒

Checked By:

Administrative Assistant:

JW

Remarks:

No well in Sec. 23
rec'd. letter - topog. map. 1/28/88

Petroleum Engineer/Mined Land Coordinator:

Remarks:

Director:

7

Remarks:

Topo. Exception

Include Within Approval Letter:

Bond Required

☐

Survey Plat Required

☐

Order No. _____

☐

Blowout Prevention Equipment

☐

Rule C-3(c) Topographical exception/company owns or controls acreage
within a 660' radius of proposed site ☒

O.K. Rule C-3

☐

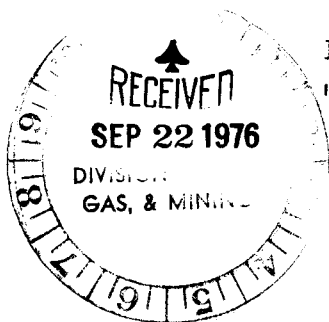
O.K. In _____ Unit

☐

Other:

☐☒

Letter Written



HAMILTON BROTHERS EXPLORATION COMPANY
1600 BROADWAY
DENVER, COLORADO 80202

September 21, 1976

State of Utah
Oil and Gas Division
1588 West North Temple
Salt Lake City, Utah 84138

Re: Hamilton Brothers-Texas Gas Exploration
#1 Salt Valley NW Unit
Proposed location
SE NW 23-21S-18E (2410' FNL, 1540' FWL)
Grand County, Utah

Attention: District Engineer

Gentlemen:

In answer to your question concerning our locating the cited well less than 500' north of the quarter line, I have enclosed a copy of a portion of U.S.G.S. topographic quadrangle map Floy NW, Utah. The map is colored to show Trough Spring Creek and the steep bank it cuts north of our proposed location. We propose this location because it appears to be that point where the most environmentally stable surface location overlies the subsurface area most favorable for oil or gas accumulation.

Also enclosed is a lease exhibit demonstrating our rights to the entire 640 acres of Section 23-21S-18E. We have written agreements from all parties concerned conveying these rights.

If there is any additional information you need, or if there is anything else I can do to expedite issuance of the drilling permit for the referenced well, please call me at the letterhead address, phone 892-1011.

Very truly yours,

Gary O. Hall
Gary O. Hall

GOH/db
Enclosures (2)

CIRCULATE TO:
DIRECTOR _____
PETROLEUM ENGINEER _____
MINE COORDINATOR _____
ADMINISTRATIVE ASSISTANT _____
ALL _____
RETURN TO *Scheeler*
FOR FILE

September 24, 1976

Hamilton Brothers Oil Company
1600 Broadway
Suite 2600
Denver, Colorado 80202

Re: Well No. Salt Valley NW Unit #1
Sec. 23, T. 21 S, R. 18 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-019-30312.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

/sw
cc: U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

5. LEASE DESIGNATION AND SERIAL NO.

U-0148579

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Salt Valley NW Unit

9. WELL NO.

One

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 23-T21S-R18E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Hamilton Brothers Oil Company

3. ADDRESS OF OPERATOR

1600 Broadway - Suite 2600, Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)

At surface

Section 23, Township 21 South, Range 18 East

At proposed prod. zone 2410' FNL; 1540' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6.9 miles West and 4.5 miles North of Crescent Junction, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any) 1100'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH

6700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4912' Ground

22. APPROX. DATE WORK WILL START*

October 1, 1976

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36.0	500'	400 sacks
8 3/4"	5 1/2"	17.0	6700' (if required)	675 sacks

Approved Notice - Div of Oil, & M - Utah

We propose to drill a well of sufficient depth to penetrate the White Rim Sand, to test for oil or gas. Good oil field practice will be used in determining the necessity of coring and/or drill stem testing any shows of oil or gas encountered.

Mud Program

A low solids gel/water system will be used, with mud weight sufficient to control formation pressures.

Logging Program

At total depth: Dual induction laterolog, gamma ray-sonic, formation density log.

Blow Out Preventer Program

Double 10" Hydraulic Shaffer, series 900 with 4" drill pipe and blind rams. A shaffer hydril BOP closing unit with a choke manifold will also be employed. B.O.P.'S will be closed and opened each trip, and pressure tested once each week.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

K. D. Walt

TITLE

DATE

9/14/76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

(ORIG. SGD.) E. W. GUYNN

DISTRICT ENGINEER

OCT 13 1976

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Hamilton Bros. Oil Co. #1 Salt Valley NW	2410'FNL, 1540'FWL, sec. 23, T. 21 S., R. 18 E., SLM, Grand Co. Gr. El. 4912'	U-0148579
<p>1. Stratigraphy and Potential Oil and Gas Horizons. The well will commence in the Mancos Formation. Colonial Oil Company #1, same section, reported the following tops: Ferron-1603', Morrison-2590', Entrada-3560'. The White Rim (Permian) will be tested for oil and gas.</p> <p>2. Fresh Water Sands. WRD reports: "Discontinuous sandstone units within the Mancos Shale may yield some usable water from depths of less than 500 feet. Deeper aquifers contain saline water or brine".</p> <p>3. Other Mineral Bearing Formations. Valuable prospectively for coal. Coal may be (Coal, Oil Shale, Potash, Etc.) found in the Ferron Ss. Member of the Mancos and Dakota Fm. Land is also considered valuable prospectively for sodium and potash (Paradox Formation - Pennsylvanian) but test should not penetrate the Paradox.</p> <p>4. Possible Lost Circulation Zones. Unknown.</p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. Unknown.</p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. Unknown.</p> <p>7. Competency of Beds at Proposed Casing Setting Points. Weathered shale may cave.</p> <p>8. Additional Logs or Samples Needed. None.</p> <p>9. References and Remarks Outside of KGS.</p>		
Date: October 13, 1976		Signed: <i>BR Act</i>

DDGm - Utah

BLM - D. Nagle
USGS - B. Fiant
Dirt Court - A. Santoro

- | | |
|---|--------------|
| O | ENHANCES |
| | NO IMPACT |
| / | MINOR IMPACT |
| X | MAJOR IMPACT |

[illegible]

Lease U-0148579 - SALT VALLEY NW UNIT
Well No. & Location 7 SE/NW SEC. 23, T21S-R18E
GRAND County, Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

HAMILTON Brothers Oil Company PROPOSES TO DRILL AN OIL AND
GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 6700 FT. TD, 2) TO CONSTRUCT A
DRILL PAD 300 FT. X 300 FT. AND A RESERVE PIT 100 FT. X 100 FT.
3) TO CONSTRUCT _____ FT. X _____ MILES ACCESS ROAD AND UPGRADE 20 FT.
X 100' MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD.

LOCATION TO BE CONSTRUCTED PARALLEL TO EXISTING ROAD

2. Location and Natural Setting (existing environmental situation)

THE PROPOSED WELL SITE IS 6.9 MILES WEST
AND 4.5 MILES NORTH OF CRESENT JUNCTION,
UTAH. THE AREA IS GENERALLY FLAT DESERT
WITH SMALL ROLLING HILLS AND A FEW
GULLIES & WASHES. THE SITE FALLS IN A
RELATIVELY FLAT AREA ALONG AN EXISTING
ROAD SERVING SEVERAL WELLS TO THE
NORTH.

VEGETATION CONSISTS OF SCRUB SAGE BRUSH,
CACTUS AND SPARSE NATIVE GRASSES.

WILDLIFE FOUND IN THE AREA IS THE USUAL
DESERT FAUNA OF SMALL RODENTS & BIRDS
AND POSSIBLY AN OCCASIONAL ANTELOPE.

THE SURFACE IS PUBLIC DOMAIN AND IS
LEASED FOR LIVESTOCK GRAZING. GRAZING
IS CONSIDERED FAIR FOR SHEEP DURING
FALL & WINTER MONTHS.

THERE WAS NO EVIDENCE OF ANY HISTORICAL
OR ARCHEOLOGICAL SITES NEAR THE AREA
TO BE DISTURBED.

THE DRILLING & COMPLETION OF A DRY HOLE OR
FAILURE WOULD HAVE VERY LITTLE LONG TERM
EFFECT ON THE ENVIRONMENT.

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG, POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

Very

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS.

3) NO NEAR-BY LOCATIONS COULD BE FOUND THAT WOULD JUSTIFY MOVING THE PROPOSED WELL SITE

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

^{USE} 2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

6. Determination

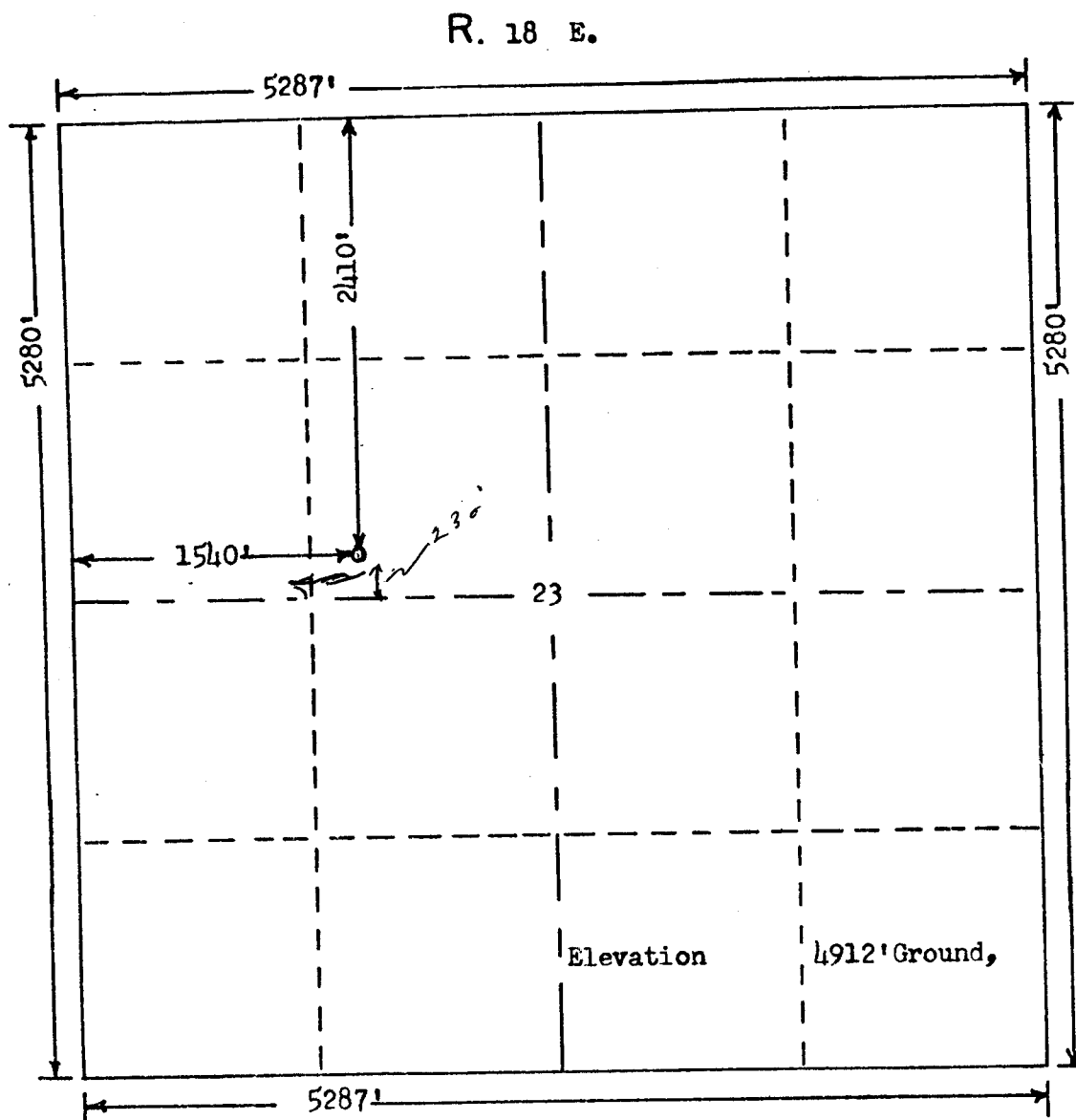
(This requested action (~~does~~) (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected 10-7-76

Inspector B. J. [Signature]

[Signature]

U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah



T.
21
S.

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
has in accordance with a request from Doyle Bray
for **Hamilton Bros Oil Co. & Texas Gas Exploration Co.**
determined the location of #1 Salt Lake Unit
to be 2410' FN & 1540' FW Section 23 Township 21 S.
Range 18 E. of the Salt Lake Meridian
Grand County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
#1 Salt Valley Unit

Date: 9-3-76

Daniel T. White
Licensed Land Surveyor No. 2658PE
State of Utah

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF AGREEMENT DATED
JUNE 1, 1976, BY AND BETWEEN TEXAS GAS EXPLORATION,
FERGUSON & BOSWORTH AND ASSOCIATES, HAMILTON
BROTHERS OIL COMPANY AND MAY PETROLEUM, INC.

RECEIVED
SEP 22 1976

LESSOR	LESSEE	EXPIRATION DATE	ORRI	DESCRIPTION	ACRES	WORKING INTEREST
USA U-0148579	Texas Gas	1-30-77	3%	<u>Township 21 South, Range 18 East, S.L.M.</u> Section 15: All Section 22: All Section 23: W/2 Section 24: S/2 SW/4 <u>Township 21 South, Range 19 East, S.L.M.</u> Section 31: Lots 1 through 8	1960.48	Texas Gas - 100%
USA U-0148580	Texas Gas	1-30-77	3%	<u>Township 21 South, Range 18 East, S.L.M.</u> Section 25: All	640.00	Texas Gas - 100%
USA U-29345	Texas Gas	1-10-77	3%	<u>Township 21 South, Range 18, East, S.L.M.</u> Section 26: W/2 NE/4, NW/4 Section 27: NE/4	400.00	Texas Gas - 100%
USA U-7757	F & B-50% Phillips-50%	3- 1-79	5%	<u>Township 21 South, Range 18 East, S.L.M.</u> Section 14: W/2	320.00	F & B - 50%
USA U-20783	Continental	10- 1-81	2%	<u>Township 21 South, Range 18 East, S.L.M.</u> Section 14: SE/4 Section 23: E/2 Section 24: N/2 SW/4	560.00	F & B - 10% to top of Penn. Paradox Salt



R 18 E

H.B.O.C.
Salt Valley N.W. Unit
No. 1

Location of
Tank Battery
3" Steel Line Connecting
Well and Battery

COLONIAL
X-1-117-2



21

22

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28

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HATCH
RANCH

33

34

35

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3

2

Highway 68 50

GRAND JUNCTION
COLORADO

HAMILTON BROTHERS OIL COMPANY
SALT VALLEY NORTH WEST UNIT
Salt Valley NW Unit No. 1
Grand County, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPL
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

U-0148579

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Salt Valley NW Unit

9. WELL NO.

One

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 23-T21S-R18E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL ☐ GAS ☐
WELL WELL OTHER

2. NAME OF OPERATOR

Hamilton Brothers Oil Company

3. ADDRESS OF OPERATOR

1600 Broadway - Suite 2600, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

Section 23, Township 21 South, Range 18 East

2410' FNL 1540' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4912' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☒

SURSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion or Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is necessary to revise the projected TD from 6700' to 9000' because the thickening of sediments into the rim syncline around the salt anticline is much greater than anticipated. We are finding that some of the Triassic and Upper Permian units are as much as three times thicker in the rim syncline than they are in control wells in areas not affected by salt tectonics.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Nov 26, 1976

BY: R. H. Russell

Verbal approval by E.W. Gynn 11-22-76

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Administrative Assist.

DATE

11/23/76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

HAMILTON BROTHERS OIL COMPANY

1500 BROADWAY

DENVER, COLORADO 80202

November 23, 1976



US Geological Survey
Oil & Gas Operations
8440 Federal Building
125 South State
Salt Lake City, Utah 84138

Attention: Mr. E.W. Guynn
District Engineer

Subject: NW Salt Valley Unit #1
2410 FNL; 1540 FWL
Section 23, Township 21 South
Range 18 East
Grand County, Utah

Dear Sir;

With reference to our telephone conversation of November 22, 1976, I am enclosing three (3) copies of form 9-331 indicating change of plans on the captioned location.

Yours truly,

A handwritten signature in cursive script, appearing to read "Doyle Bray".

Doyle Bray
Administrative Assist.

DB:ct
encl.

cc: State of Utah (2)
Oil & Gas Division
1588 West No Temple
Salt Lake City, Utah 84116

CIRCULATE TO:

DIRECTOR
PETROLEUM ENGINEER
ADMINISTRATIVE ASSISTANT
ALL

RETURN TO Kathy
FOR FILING

December 6, 1976

Memo to File:

Re: Hamilton Brothers
Salt Valley Unit #1
Sec. 23, T. 21 S, R. 23 E.
SE NW
Grand Co., Utah

Verbal approval to plug this well was given to Mr. Allred on the
1st day of December 1976.

Pertinent information is as follows:

9 5/8" surface casing set @ 500'
7 7/8" hole drilled to total depth

Mancos.....	Surface
Dakota Silt.....	2,725'
Dakota Sand.....	2,900'
Salt Wash.....	3,400'
Moab Tongue.....	3,860'
Entrada.....	3,963'
Navajo.....	4,470'
Kayenta.....	5,000'
Wingate.....	5,260'
Chinle.....	5,683'
Shinarump.....	6,310'
White Rim.....	7,520'

The plugging program is to be given by the U.S. Geological Survey.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/tlb

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U - 0148579	
2. NAME OF OPERATOR Hamilton Brothers Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1600 Broadway - Suite 2600, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Section 23, Township 21 South, Range 18 East 2410' FWL; 1540' FWL		8. FARM OR LEASE NAME Salt Valley Unit NW	
		9. WELL NO. One	
		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23-T21S-R18E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4912 GR	12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugs: 7550-7350 75 sacks cement
3900-3700 75 sacks cement
2700-2500 75 sacks cement
525-425 38 sacks cement

APPROVED BY THE DIVISION OF
GEOLOGY, AND MINING

DATE: Dec 13 1966

BY: P. H. Small

Top of surface casing 12 sacks with dry hole marker. Approved by Mr. E. W. Guyan, USGS Salt Lake City, Utah.

Contractor in process of removing drilling equipment. Reserve & water pit will be fenced in and cleaned up when conditions permit.

A subsequent report will be filed when the cleanup has been completed.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE ADMINISTRATOR DATE 12/9/66
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

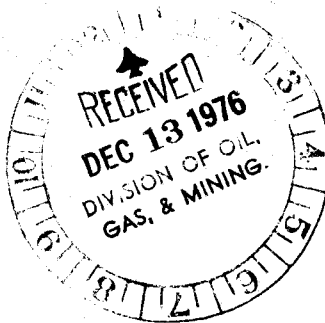
HAMILTON BROTHERS OIL COMPANY

1600 BROADWAY

DENVER, COLORADO 80202

December 10, 1976

US Geological Survey
Oil & Gas Operations
8440 Federal Building
125 South State
Salt Lake City, Utah



Attention: Mr. E.W. Guynn
District Engineer

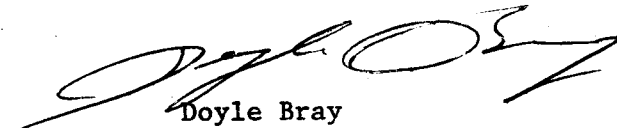
Subject: NW Salt Valley Unit #1
Sec. 23, TW21S, RG18E
Grand County, Utah

2

Dear Sir;

Enclosed for your approval are three (3) copies of Form 9-331 to plug & abandon the captioned well.

Yours truly,


Doyle Bray
Administrative Assist.

DB:ct
encl.

cc: State of Utah (2)
Oil & Gas Division
1588 West North Temple
Salt Lake City, Utah 84116



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

CLEON B. FEIGHT
Director

April 22, 1977

Hamilton Brothers Oil Company
1600 Broadway, Suite 2600
Denver, Colorado 80202

Re: WELL NO. SALT VALLEY UNIT NW #1
Sec. 23, T. 21S, R. 18E
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

HAMILTON BROTHERS OIL COMPANY

1600 BROADWAY
DENVER, COLORADO 80202
303-892-1011



May 6, 1977

State of Utah
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Kathy Ostler
Records Clerk

re: Salt Valley Unit N.W.
Sec 23, T21S, R18E
Grand County, Utah

Dear Madame;

With reference to your letter dated 4/22/77 please find enclosed a copy of our well completion report for the captioned location.

Yours truly,

A handwritten signature in dark ink, appearing to read "Doyle Bray".

Doyle Bray

DB:pl
w: enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Hamilton Brothers Oil Company							
3. ADDRESS OF OPERATOR 1600 Broadway, Suite 2600, Denver, Colorado							
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations) At surface Sec 23, TW21 South, RG 18 East At top prod. interval reported below 2410' FNL, 1540' FWL At total depth							
14. PERMIT NO.				DATE ISSUED 10/13/76			
15. DATE SPUDDED 10/25/76		16. DATE T.D. REACHED 7816'		17. DATE COMPL. (Ready to prod.) 12-2-76 P&A		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4912' GR	
20. TOTAL DEPTH, MD & TVD -----		21. PLUG, BACK T.D., MD & TVD -----		22. IF MULTIPLE COMPL., HOW MANY* -----		23. INTERVALS DRILLED BY rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* -----						25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Laterlog, Formation Density Comp., Neutron, BHC Sonic,						27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well) Gamma Only							
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
9-5/8	36	500'	12 1/4	400 sacks cement		none	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)			
				AMOUNT AND KIND OF MATERIAL USED			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Admin. Asst.

DATE

3/7/77

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Navajo	4473	5006	DST #1: 4487-4545 Initial open 15 min, final open 45 min. FP 24# - 64# SIP (30-90) 1672-1672 Rec 120' slightly wtr cut mud	Dakota SS Morrison Salt Wash Member Entrada Navajo Chinle Shinarump Moenkopi White Rim 7520	2940 3112 3398 3963 4473 5685 6310 6400 7520	
White Rim	7520	7750	DST #2: 7528-7816 Initial open 30 min, Final open 30 min FP 78#-81# SIP (90-120) 686#-702# Rec 190' mud			